FIG. IA

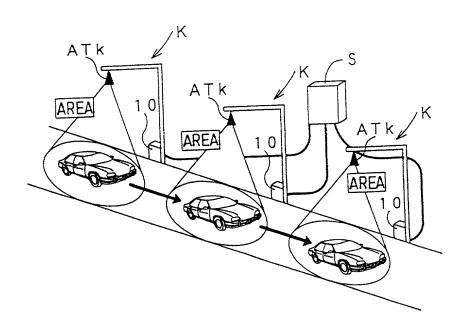


FIG. IB

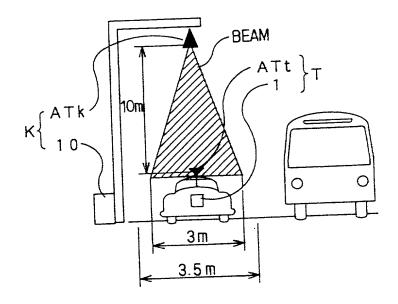


FIG. 2A

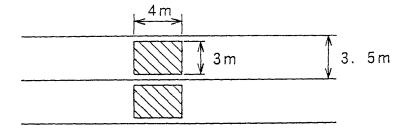


FIG. 2B

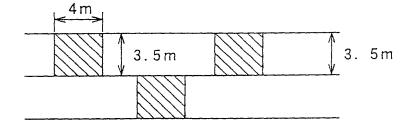
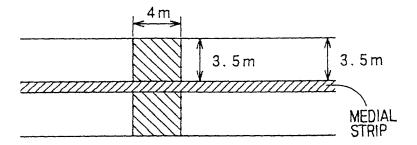
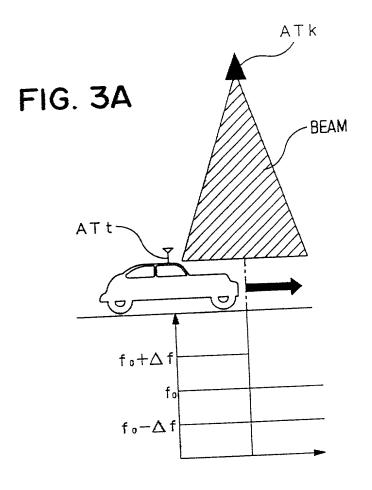


FIG. 2C





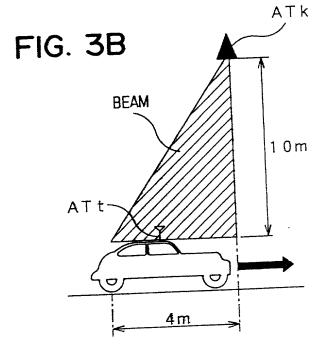


FIG. 4A

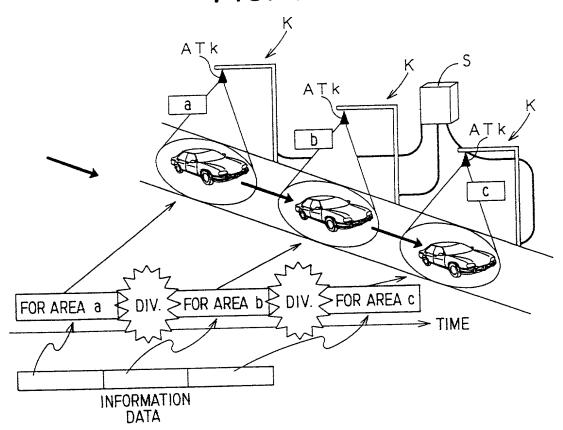


FIG. 4B

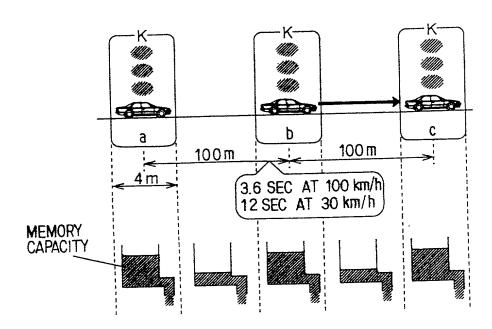
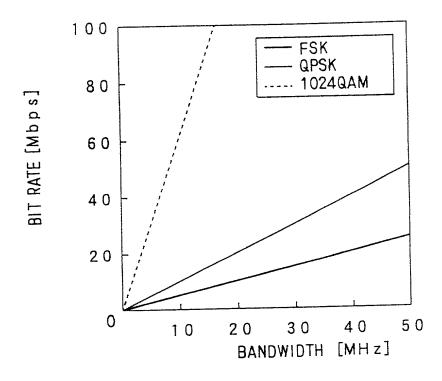


FIG. 5



- The Barbard Barbard

FIG. 6A

MODULATION	AVERAGE BER	
FSK	$P_{FSK} = erfc \left(\frac{K_0}{\sqrt{2}} \right)$	
BPSK	$P_{BPSK} = \frac{1}{2} \operatorname{erfc} \left(\frac{K_0}{\sqrt{2}} \right)$	
QPSK	$P_{QPSK} = \frac{1}{2} \operatorname{erfc} \left(\frac{K_0}{\sqrt{2}} \right)$	
1 6 Q A M	$P_{16QAM} = \frac{3}{8} \operatorname{erfc} \left(\frac{K_0}{\sqrt{10}} \right)$	
64QAM	$P_{64QAM} = \frac{7}{24} \operatorname{erfc} \left(\frac{K_0}{\sqrt{42}} \right)$	
256QAM	$P_{256QAM} = \frac{15}{64} \operatorname{erfc} \left(\frac{K_0}{\sqrt{170}} \right)$	

FIG. 6B

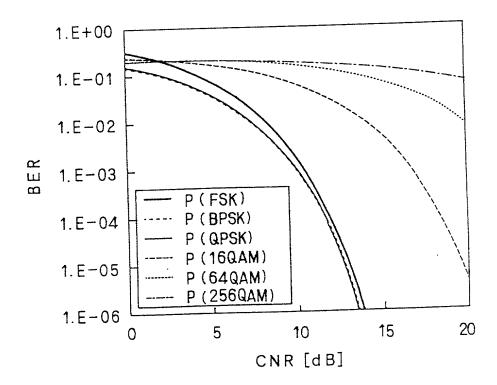
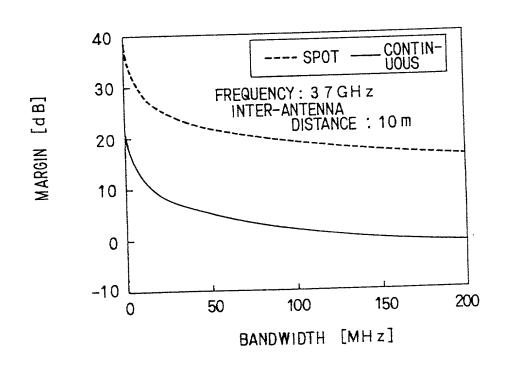
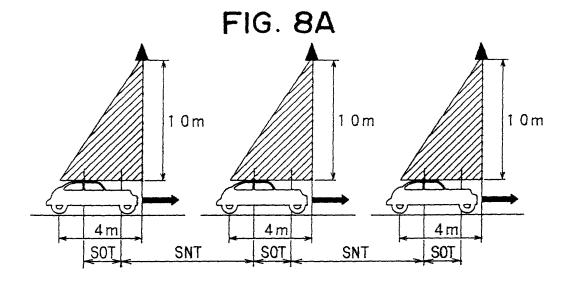


FIG. 7A

VALUE			
	VALUE		
PARAMETER	SPOT	CONTINUOUS	
POWER	1 0 d Bm		
ANTENNA GAIN	20 d B	3 d B	
DISTANCE	1 0 m		
FREQUENCY	3 7 G H z		
MODULATION	FSK, BPSK, QPSK		
AVERAGE BER	1 × 1 0 ⁻⁶		
RECEIVER NOISE	1 0 d B		
TEMPERATURE	300K		
BANDWIDTH	1-200MHz		

FIG. 7B





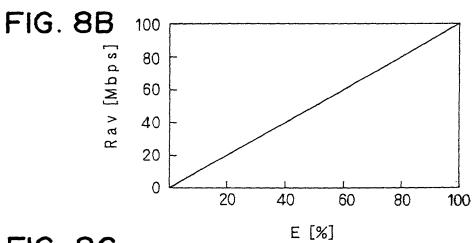


FIG. 8C

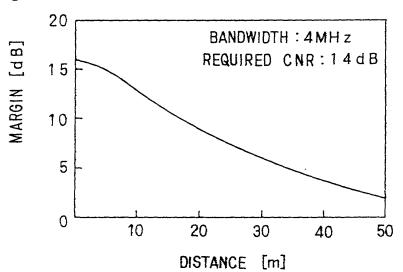


FIG. 9

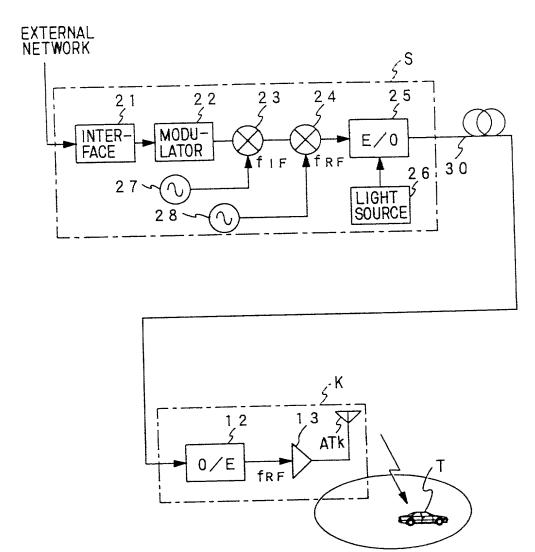


FIG. IOA

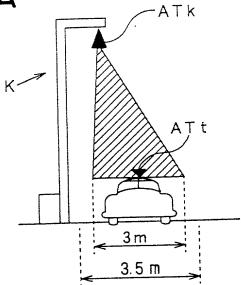
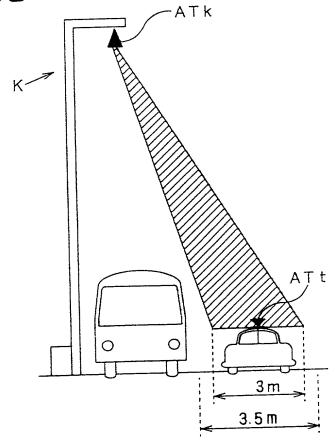


FIG. IOB



and the construction of th

FIG. I IA

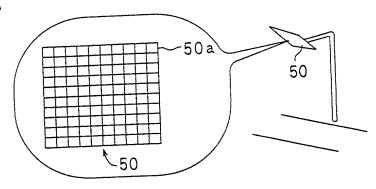


FIG. IIB

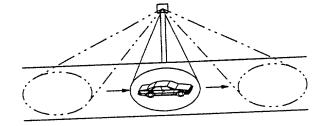


FIG. IIC

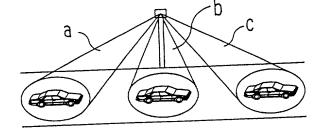


FIG. I ID

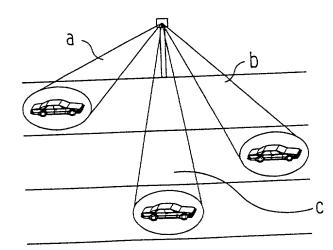


FIG. 12A

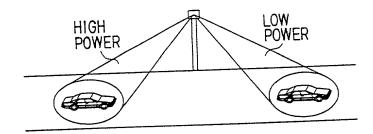


FIG. 12B

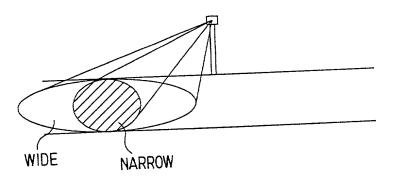
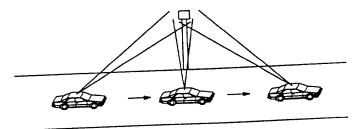


FIG. 12C



- PERSON IN THE PROPERTY OF TH

FIG. 13A

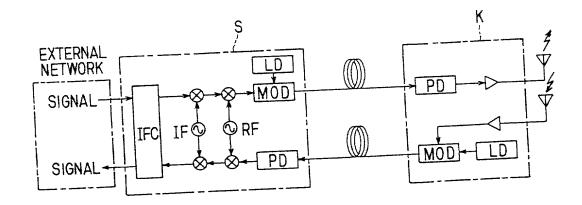


FIG. 13B

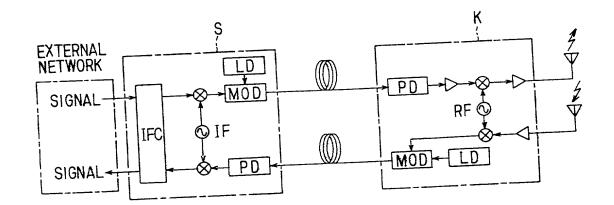


FIG. 14A

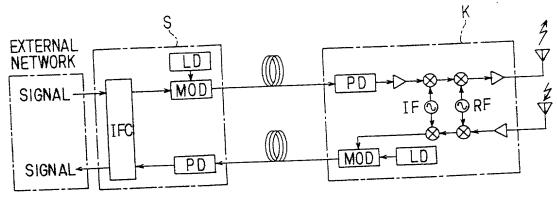


FIG. 14B

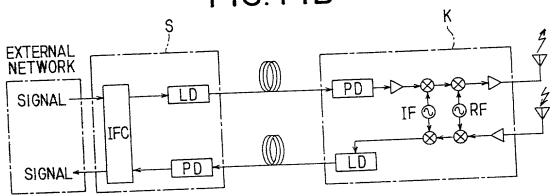


FIG. 14C

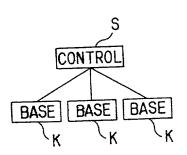


FIG. 14D

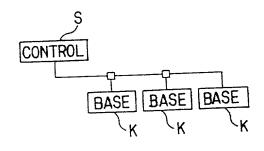


FIG. 15A RELATED ART

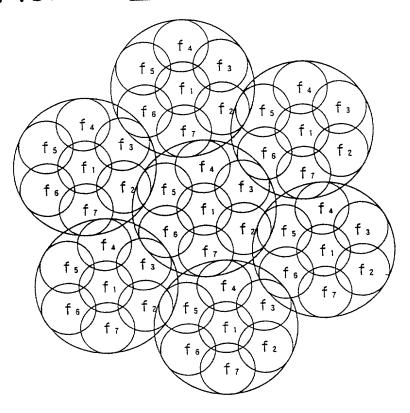


FIG. 15B RELATED ART

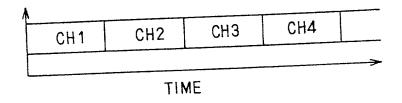


FIG. 15C RELATED ART

